

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 04-108518

(43) Date of publication of application : 09.04.1992

(51) Int.Cl.

B01D 61/18
B01D 65/02
B01D 65/08
C02F 1/28
C02F 1/44
C02F 1/52
C02F 1/78

(21) Application number : 02-409725

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(22) Date of filing : 11.12.1990

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(30) Priority

Priority number : 89 8916527 Priority date : 11.12.1989 Priority country : FR

(54) WATER TREATMENT INSTALLATION HAVING TANGENTIAL FILTRATION LOOP

(57) Abstract:

PURPOSE: To restrict surface, internal and chemical coggings of a membrane by installing a filtration loop equipped with a circulation pump and a tangential filtration membrane through which a part of liquid to be treated passes and by adding a oxydizing gas into the liquid to be treated at the upper part of the loop of the membrane.

CONSTITUTION: A tangential membrane (1), an apparatus for injecting fine bubbles of ozone (2), an exhaust gas pipe (3) and a circulation pump (4) are included in a filtration loop. A liquid to be treated is introduced into the loop through a conduit (7) equipped with a supply pump (5). By introducing ozone in the form of micro-bubbles, a turbulent flow is created, reducing a

